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Bengaluru, Karnataka

Arjun Praveen Kuzhivayalil

SOFTWARE ENGINEER

Curious software engineer eager to work on innovative projects and solve complex problems.

SKILLS

- C#
 - C++
 - Python
 - Typescript
 - Javascript
 - Powershell
 - Unix
 - Data structures and algorithms
 - Azure DevOps
- SQL/NoSQL
 - Azure Storage
 - Azure Eventhub
 - RESTful service
 - Distributed system
 - Machine learning
 - Git
 - React
 - UI/UX

EDUCATION

Manipal Institute of Technology

(2018 – 2022)

Bachelors in Information Technology
(B.Tech IT) – 8.7 GPA

Pace Junior Science College, Mumbai

(2016 – 2018)

Maharashtra State Board, 12th – 90.3%

Indian School Al Ghubra (ISG), Muscat

(2013–2016)

CBSE International, 10th – CGPA 10

ACHIEVEMENTS

Leadership

- Served as House Captain at ISG (2016)
- Appointed as Student Council at ISG (2013)

Academic

- School Topper – Grade 10
- Perfect score in Junior TOEFL (2015)
- 2nd place in GCC, National Cyber Olympiad (2014)
- Qualified for Smart India Hackathon (Mobile Game for Alzheimer’s Patients)

Music

- Received Distinction in ABRSM Grade 5 Music Theory
- Received Merit in Trinity College London Grade 5 Keyboard

Drama

- Member of the Music Productions Team at ADA Dramatics, MIT Manipal
- Key Instrumentalist for the IIMB Unmaad Play – Keyboard, Harmonium.

HOBBIES

Football, Tennis, Volunteering Service, Cricket, Pickleball, Table Tennis, Padel, Trekking, Reading crime thrillers and autobiographies.

EXPERIENCE

Microsoft

SOFTWARE ENGINEER

Aug 2022 – Till Date

Microsoft Intune

- Drove the lifecycle and enhancement of Intune Assignment Filters for targeting policies to endpoint devices, working on enhancement of this service which involved code changes across 10+ tier0 downstream services spanning authoring, data ingestion and reporting services and collaborating with 8+ teams and product managers to ensure a safe rollout across diverse operating systems. These projects involved backend as well as front end stack.
- Worked on deprecation plan for legacy features with over 5 dependent systems. Implemented code changes to block CRUD operations, conducted thorough feasibility analysis, and helped document a seamless transition plan that maintained engineering workflows and customer satisfaction.
- Implemented service enhancements like customizable filter counts and payloads, addressed 60+ code and accessibility bugs, and resolved security issues by migrating legacy libraries and enforcing role-based access control. Achieved gold medal in accessibility health score by resolving critical accessibility bugs.
- Improved system resilience through on-call activities for services handling 5 billion daily events with a P99 latency of 20ms, ensuring high SLA guarantees. Worked on mitigating and resolving critical customer escalations and livesite incidents.
- Demonstrated proficiency in overseeing the sign-off process and release activities for multiple services in Intune
- Worked on AI-driven projects during Microsoft hackathons. Developed a functioning POC for AI generated summaries in the Microsoft Incident Management portal.
- Organized team events and outings, fostering collaboration within the IDC team.

SOFTWARE ENGINEER – INTERN

Feb 2022 – Jun 2022

Microsoft Defender

- Developed an eBPF-based monitoring system to capture system calls and gain insights into processes and their namespaces, enabling visibility into Docker activity within a WSL distro.

SOFTWARE ENGINEER – INTERN

Jun 2021 – Jul 2021

Microsoft Defender

- Designed a solution to cluster file types by similarity for static file analysis, identifying potential malware using clusters of detected threats. Implemented POCs with various clustering algorithms and integrated the workflow using Azure Functions and other Azure services.

Tech Tatva, MIT Manipal

SYSTEM ADMIN HEAD

May 2019 – Nov 2020

Developed backend and React features for a web app supporting college hackathons, tech, and cultural fests, including judge scoring, a food token system, and slot booking for club interviews.

AEGIS School of Data Science

INTERN

Dec 2019

- Developed a project to scrape startup details from AngelList and send automated invites
- Developed a YouTube recommendation system by web scraping video titles using Selenium and BeautifulSoup, then scoring and sorting videos using a weighted average formula.